

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method comprising:
 - receiving a request for a data stream from a client;
 - sampling the data stream;
 - generating one or more fingerprint blocks for one or more sampled portions of the data stream; **and**
 - transmitting the one or more fingerprint blocks to the client via a first connection;
and
simultaneously on-demand transmitting the data stream to the client via a second connection, wherein the on-demand transmitting of the data stream includes one of simultaneous transmission and delayed transmission.
2. (Original) The method of claim 1, comprising sending to the client parameters for sampling the data stream.
3. (Original) The method of claim 1, wherein generating one or more fingerprint blocks comprises generating cyclic redundancy check (CRC) values for the one or more sampled portions of the data stream.
4. (Currently Amended) A method comprising:
 - requesting a data stream by a client from a server;
 - receiving a first set of fingerprint blocks at the client from the server via a first connection;
 - simultaneously on-demand receiving the data stream at the client from the server via a second connection, wherein the on-demand receiving of the data stream includes one of simultaneous reception and delayed reception;
 - sampling the data stream at the client;

generating a second set of fingerprint blocks for one or more sampled portions of the data stream at the client; and

comparing the second set of fingerprint blocks to the first set of fingerprint blocks.

5. (Currently Amended) The method of claim 4, wherein the first connection is comprises an out-of-band connection and the second connection is comprises a primary data connection.
6. (Previously Presented) The method of claim 4, comprising generating an error message at the client if the second set of fingerprint blocks do not match the first set of fingerprint blocks.
7. (Currently Amended) The method of claim [[64,]] 6, further comprising transmitting the error message to the server.
8. (Previously Presented) The method of claim 4, further comprising transmitting a valid status message to the server from the client if the second set of fingerprint blocks match the first set of fingerprint.
9. (Currently Amended) A method comprising:
requesting a data stream from a server by a client;
sampling the data stream at the server;
generating a first set of fingerprint blocks for one or more sampled portions of the data stream at the server;
transmitting the first set of fingerprint blocks to the client via a first connection;
on-demand transmitting the data stream from the server to the client via a second connection, wherein the on-demand transmitting of the data stream includes one of simultaneous transmission and delayed transmission;

receiving the first set of fingerprint blocks at the client via the first connection;

receiving the data stream by the client via the second connection;

sampling the data stream at the client;

generating a second set of fingerprint blocks for one or more sampled portions of the data stream at the client; and

comparing the second set of fingerprint blocks to the first set of fingerprint blocks.

10. (Currently Amended) The method of claim 9, wherein the first connection ~~is comprises~~ an out-of-band connection and the second connection ~~is comprises~~ a primary data connection.

11. (Previously Presented) The method of claim 9, comprising communicating an error message to the server from the client if a threshold percentage of the second set of fingerprint blocks the first set of fingerprint blocks.

12. (Cancelled)

13. (Previously Presented) The method of claim 9, wherein generating the first set of fingerprint blocks at the server comprises generating cyclic redundancy check (CRC) values for one or more sampled portions of the data stream.

14. (Previously Presented) The method of claim 9, further comprising:

communicating a valid status message from the client to the server if a threshold percentage of the second set of fingerprint blocks match the first set of fingerprint blocks; and

generating an error message at the server if the valid status message is not received in a predetermined amount of time.

15. -18. (Cancelled)

19. (Currently Amended) A client comprising:

a processor; and

~~and~~ a memory coupled to said processor having stored therein a set of instructions to cause said processor to:

receive a first set of fingerprint blocks from the server via a first connection,

~~simultaneously ;on-demand~~ receive the data stream at the client via a second connection, wherein the on-demand receiving of the data stream includes one of simultaneous reception and delayed reception,

sample the data stream at the client[[;]],

generate a second set of fingerprint blocks for one or more sampled, portions of the data stream at the client[[;]], and

compare the second set of fingerprint blocks to the first set of fingerprint blocks.

20. (Currently Amended) The client of claim 19, wherein the first connection ~~is~~ comprises an out-of-band connection and the second connection ~~is~~ comprises a primary data connection.

21. (Currently Amended) The client of claim 19, wherein the set of instructions comprises instructions to cause the processor to communicate an error message to the server if the second set of fingerprint blocks generated at the client ~~do~~ does not match the first set of fingerprint blocks generated at the server.

22. (Previously Presented) The client of claim 19, wherein the set of instructions comprises instructions to cause the processor to communicate a valid status

message to the server if the second set of fingerprint blocks generated at the client match the first set of fingerprint blocks generated at the server.

23. –27. (Cancelled)

28. (Currently Amended) A machine readable medium having stored thereon data representing sets of instructions which, when executed by a machine, cause the machine to therein a plurality of machine readable instructions for execution by a processor, the machine readable instructions to:

receive a request for a data stream from a client;

sample the data stream;

generating one or more fingerprint blocks for one or more sampled portions of the data stream; and

transmit the one or more fingerprint blocks to the client via a first connection; and simultaneously on-demand transmit the data stream to the client via a second connection, wherein the on-demand transmitting of the data stream includes one of simultaneous transmission and delayed transmission.

29. (Currently Amended) The machine readable medium of claim 28, wherein the sets of instructions when executed by the machine, further cause the machine the machine readable instructions comprise instructions to generate one or more fingerprint blocks by generating cyclic redundancy check (CRC) values for the one or more sampled portions of the data stream.

30. (Currently Amended) The machine readable medium of claim 28, wherein the sets
of instructions when executed by the machine, further cause the machine the
~~machine readable instructions comprise instructions~~ to send to the client
parameters for sampling the data stream.